

Work Order ID 81900

81900

Page 1

Tuesday, March 20, 2012 11:30:49 AM

Item ID: D4071-041 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Shoulder Harness Assembly
 Start Date: 3/20/2012 Start Qty: 8.00 *8* Cust Item ID:
 Required Date: 3/26/2012 Req'd Qty: 8.00 *8* Customer:
 Reference:

Approvals: Process Plan: Date: 12-03-20 Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4071	A

100 0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 16499
 Manufacture D4071-041 as per Dwg D4071
 Supplier: AMSAFE INC.
 Certificate of conformity is required

0.00

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Quality Control

Memo

0.00

12-03-20

6/4/12 ⑤
6/4/18 ①

128 ④ PN→

5/7/11/13

W/O: 81900		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		See Pink NCR 12-1370					

Part No: D4071-04 PAR #: _____ Fault Category: Supplier NCR: Yes No DQA: John Date: 12/04/27
 Resolution: Scrap + Return Disposition: Scrap + Return QA: N/C Closed: John Date: 12/4/27

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
12/03/30	#120	Found Qty 21 Bolt Bolt/screw missing on Tree Root Assembly. L.L. Supplier	S 12/03/30 ASZ42	Return faulty Bolt and have new be returned General Assembly	SL 12/04/23	S 12/04/19	S ASZ42 12/03/30	S 12/03/30

NOTE: Date & initial all entries

Work Order ID 81900***81900***

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Item ID: D4071-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness Assembly
Start Date: 3/20/2012 Start Qty: 8.00 ***8*** Cust Item ID:
Required Date: 3/26/2012 Req'd Qty: 8.00 ***8*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>266</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

12/4/23 8

12/4/23 8

1204-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

Tuesday, March 20, 2012 11:30:53 AM

Work Order ID: 81900

81900

Parent Item: D4071-041

D4071-041

Parent Item Name: Shoulder Harness Assembly

Start Date: 3/20/2012

Required Date: 3/26/2012

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A new issue DD 10.04.23 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4147-2-041-2396		Purchased	No			110	Each	0.0000	1	8			
4147-2-041-2396									**				
Shoulder Harness, 4 point													

Rec'd 3/20/12 (8)
Rec'd 3/18/12 (1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

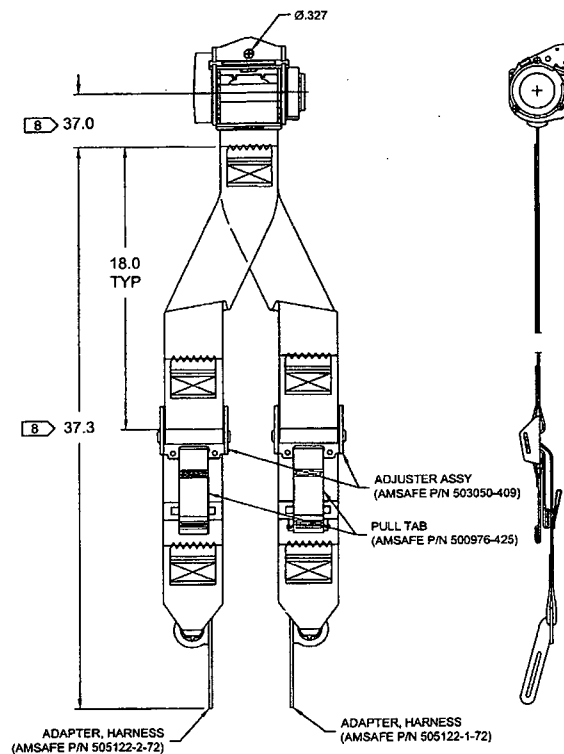
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

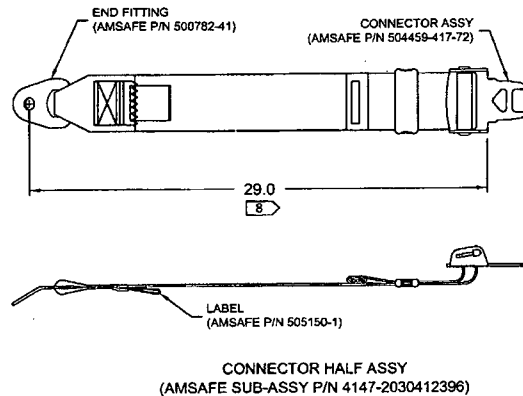
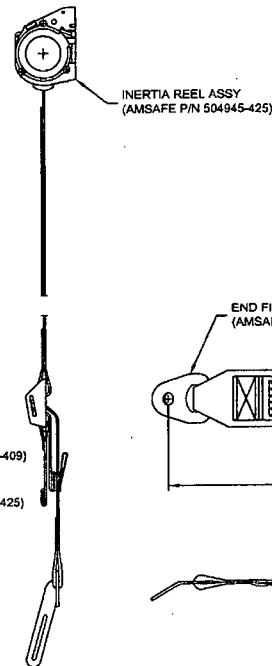
8 7 6 5 4 3 2 1 **SPECIFICATION CONTROL DRAWING**



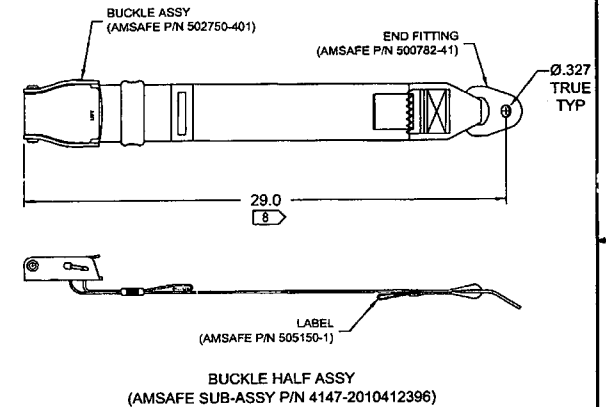
D4071-041 SHOULDER HARNESS ASSY
SHOULDER HARNESS DETAIL
(AMSAFE SUB-ASSY P/N 4147-2070412396)

NOTES:

- 1) PURCHASE: AMSAFE INC. PART No. 4147-2-041-2396
4 POINT SHOULDER HARNESS.
MEETS REQUIREMENTS OF FAA TSO-C114
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 EXCEPT DIMENSIONS: X.X ±0.50
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
P/N 4147-2-041-2396
CUST P/N: D4071-041
DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 2.2 lbs
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTH.



CONNECTOR HALF ASSY
(AMSAFE SUB-ASSY P/N 4147-2030412396)



BUCKLE HALF ASSY
(AMSAFE SUB-ASSY P/N 4147-2010412396)

D4071-041 SHOULDER HARNESS ASSY
LAP BELTS DETAIL

RELEASED
2010-04-19

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 16499

REV.	NEW ISSUE	DESCRIPTION	JPH	10.04.13
DESIGN	JPH		BY	DATE
DRAWN	JPH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	JPH	DRAWING NO.	REV. A	
MFG. APPR.	N/A	D4071	SHEET 1 OF 1	
APPROVED	JPH	TITLE	SCALE	
DE APPR.	JPH	SHOULDER HARNESS ASSY (D350-689) NTS		
DATE	10.04.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16499**

Purchase Order Date 3/20/2012

PO Print Date 3/20/2012

Page Number 1 of 1

Order From :

VU-AMS001

AMSAFE INC.
LOCKBOX #5
P.O BOX 53075
PHOENIX, AZ 85072-3075
US

Contact Name
Vendor Phone 602 850 2850
Vendor Fax 602 850 2812
Vendor Account Nbr

Buyer Brigitte Golden
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	4147-2-041-2396	Shoulder Harness, 4 point	4/6/2012 Yes	8.00 Each	FedEx PI collect	\$271.6100	\$2,172.88

Special Inst: As per DWG: D4071 Rev: A
B81900

PO Total: \$2,172.88

Change Nbr: 1

Change Date: 3/20/2012

CZ
No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S230300

BOL NO.
000261963

DATE PRINTED
03/30/12

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
ONTARIO, CANADA K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.
PO16499

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx P1 10:30 AM

F.O.B.
ORIGIN

Sales Order Remarks: 1517-9324-0
Remarks:

SHIPMENT REFERENCE 000261963

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	Cust. Item No.: D4071-041 4147-2-041-2396 REST SYS ASSY	DRAWING: 4147 REV: H	CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S230300-1 8.0	2012-04-03 8 Expire Ref.	8	0

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/TSO approvals, if applicable, are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

Printed Name:

Dated: ___/___/___

MAR 30 2012

COUNTRY OF ORIGIN USA

Change Date: 3/20/2012

Change Nbr: 1

Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: S230300-1NA	
Organization Name and Address: AmSafe Aviation 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM				5. Work order/Contract/Invoice Number: S230300 - 1 PAGES ATTACHED	
m:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
	REST SYS ASSY	4147-2-041-2396	N/A	8	N/A	NEW	
Remarks: Drawing: 4147 Rev: H TSO: TSO-C114 DMF: A0312							
187 NO. D4071-041 PART AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
Authorized Signature:  Jellie Alvarado		16. Approval/Authorization No.: ODA602112NM		20. Authorized Signature		21. Authorized/Certificate No.	
18. Date (m/d/y): MAR 30 2012		22. Names (typed or printed)		23. Date (m/d/y):			
User/Installer Responsibilities Important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. The user/installer performs work in accordance with the national regulations of an airworthiness authority; different than the airworthiness authority of the country specified in it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in its in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the regulations by the user/installer before the aircraft may be flown. NSN: 0052-00-012-9005							

Chantal Lavoie

From: Kathy Wade <kwade@AMSAFE.com>
Sent: April 4, 2012 3:17 PM
To: Chantal Lavoie
Cc: Eric Downing
Subject: RE: info

Dear Chantal,

Please return the one unit that is missing a screw. The RMA number is 2012-279. My FED EX Account # is 2327 9592 1.

Best Regards,

Kathy Wade
Customer Service Sales Analyst
AmSafe
(602) 850.2899 Phone
(602) 850-2812 Fax

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]
Sent: Wednesday, April 04, 2012 11:41 AM
To: Kathy Wade
Cc: Eric Downing
Subject: info

Hi Kathy,

We have rec'd p/o: 16499 shoulder harness 4147-2-041-2396. but one is missing a screw on to the reel could I send it back to get it fix.

Thanks

Chantal

Click [here](#) to report this email as spam.

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO
10006113

SALES ORDER NO.
2012-279

BOL NO.
000263251

DATE PRINTED
04/17/12

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
ONTARIO, CANADA K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

CUSTOMER ORDER NO.
PO16499

TERMS
NET30

FREIGHT
PP

SHIP VIA
FED EX P1 10:30

F.O.B.
ORIGIN

Ship to ID: 10006125

Sales Order Remarks:
Remarks:

SHIPMENT REFERENCE 000263251

ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
Cust. Item No.: D4071-041 4147-2-041-2396 REST SYS ASSY	DRAWING: 4147 REV: H CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity 2012-279-1 1.0 CRO # 50805	2012-04-17	1 Expire Ref.	1	0

certify that the article(s) listed above conform to all applicable design data, and (as applicable):

A PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

A TSO C22f, C22g, C114 or TSO Plus

conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described in the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Each article shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X Jesse Orhoo

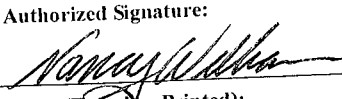
Printed Name:

Jesse Orhoo

Dated:

APR 17 2012

COUNTRY OF ORIGIN USA

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 2012-279-1-NW	
4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47 TH AVE PHOENIX, AZ. 85043				Cert. No. PT1967NM		5. Work Order/Contract/Invoice Number: 2012-279-1 0 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	4147-2-041-2396	N/A	1	N/A	NEW	
13. Remarks: DRAWING: 4147 REV: H TSO: TSO-C114 DMF: A0312							
EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: ODA602112NM		20. Authorized Signature:		21. Approval/Certificate No.:	
17. Name (Typed or Printed): NANCY WILLIAMSON		18. Date (m/d/y): APR/17/2012		22. Name (Typed or Printed):		23. Date (m/d/y):	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							